Safety Analysis Software Problem Reporting Form

Software Name:	POSTMAX v. 2.0
Person Reporting Problem:	Raymond F. Sartor
Problem #:	POSTMAX_problem_5

Definition of Potential Problem:

Differences can occur between POSTMAX V1.0 and V2.0 results. This problem report is to explain why POSTMAX V1.0 and V2.0 results can be different. One difference between the steps in V1.0 and V2.0 are:

POSTMAX V1.0	POSTMAX V2.0
a) calculate the MEOI results at the site boundary value (by interpolating the MACCS2 results),	a) calculate the MEOI results at the site boundary value (by interpolating the MACCS2 results),
b) finds the maximum MACCS2 value and location within ALL MACCS2 results, i.e., including inside the site boundary,	b) finds the maximum MACCS2 value and location within the MACCS2 results BEYOND the site boundary,
c) if the maximum MACCS2 value is outside the site boundary, set the MEOI to the maximum found.	c) if the maximum MACCS2 value greater than the (site-boundary) MEOI value, set the MEOI to the maximum found.

So in trials (hours) when the overall MACCS2 maximum value is within the site boundary and the site boundary value is less than some point greater than the site boundary, POSTMAX V1.0 reports the site boundary result and POSTMAX V2.0 reports the maximum beyond the site boundary.

Evaluation of Potential Problem:

There is no problem with POSTMAX V2.0.

Risk Assessment:

This problem report does not identify any risk with using POSTMAX V2.0.

Recommended Corrective Actions:

No further actions are required.

Software Name:	POSTMAX v. 2.0
Person Reporting Problem:	Raymond F. Sartor
Problem #:	POSTMAX_problem_5
Problem Closure: **Software Owner**	Name _(signature)_ Date 11/17/10
SQM SME	Name _Donald A. Siehr (signature)_ Date 11/18/10